



US Army Corps  
of Engineers  
Louisville District

# **Flood Damage Reduction**

**Louisville Engineer District**

**Consulting Engineers Council of  
Illinois**

**Midwest Regional Meeting**

**25 April 2001**



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# Planning Work - FY 01

- Goal is 30% of all Planning Division Work
- Amount is \$1.2M
- ID Contracts
- 20-30 Flood Damage Reduction Underway
- Projects Range in Size from \$800k to \$36M



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# Continuing Authorities Program

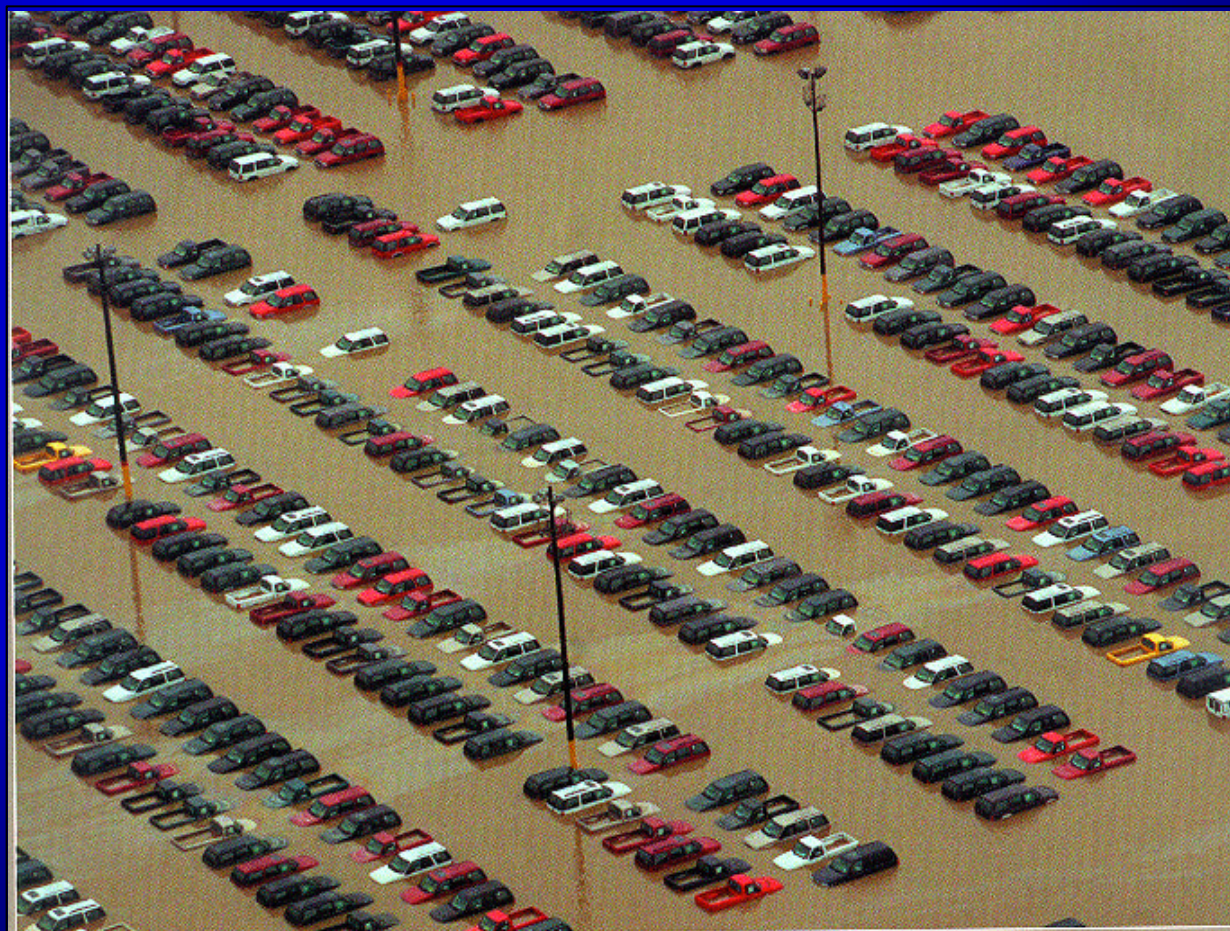
## Current Active

Sec 14 -	Streambank Erosion ( 8 )	\$ 324K
Sec 205 -	Small Flood Damage Reduction (20 )	1,250K
Sec 208 -	Clearing and Snagging (0)	0
Sec 1135 -	Ecosystem Restoration (6 )	784K
Sec 206 -	Aquatic Ecosystem Restoration (10)	396K
	<b>Total (44 )</b>	<b>\$ 2754K</b>



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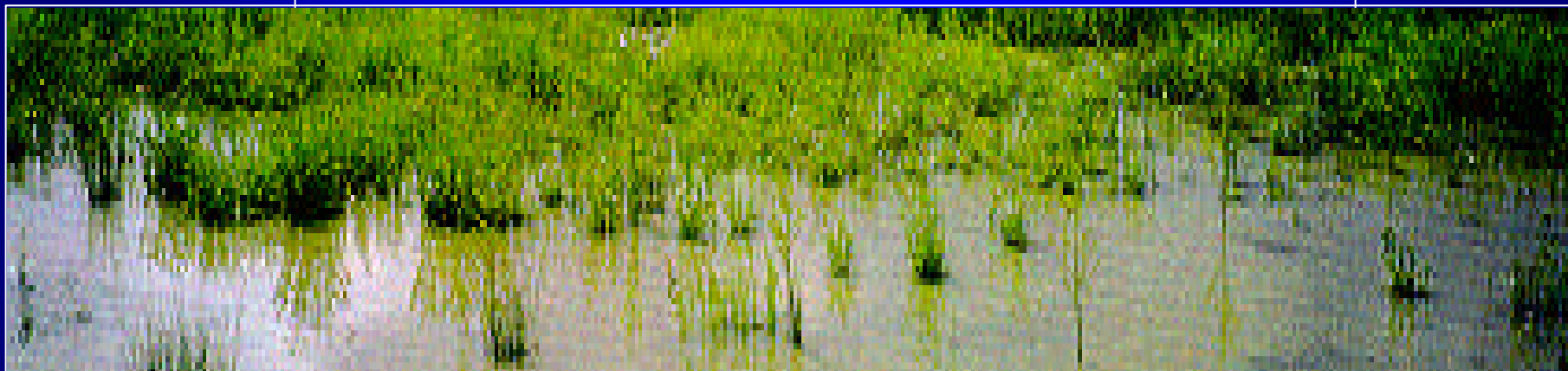
# Ford Motor Company Louisville Assembly Plant Fern Valley Road





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# Mill Creek







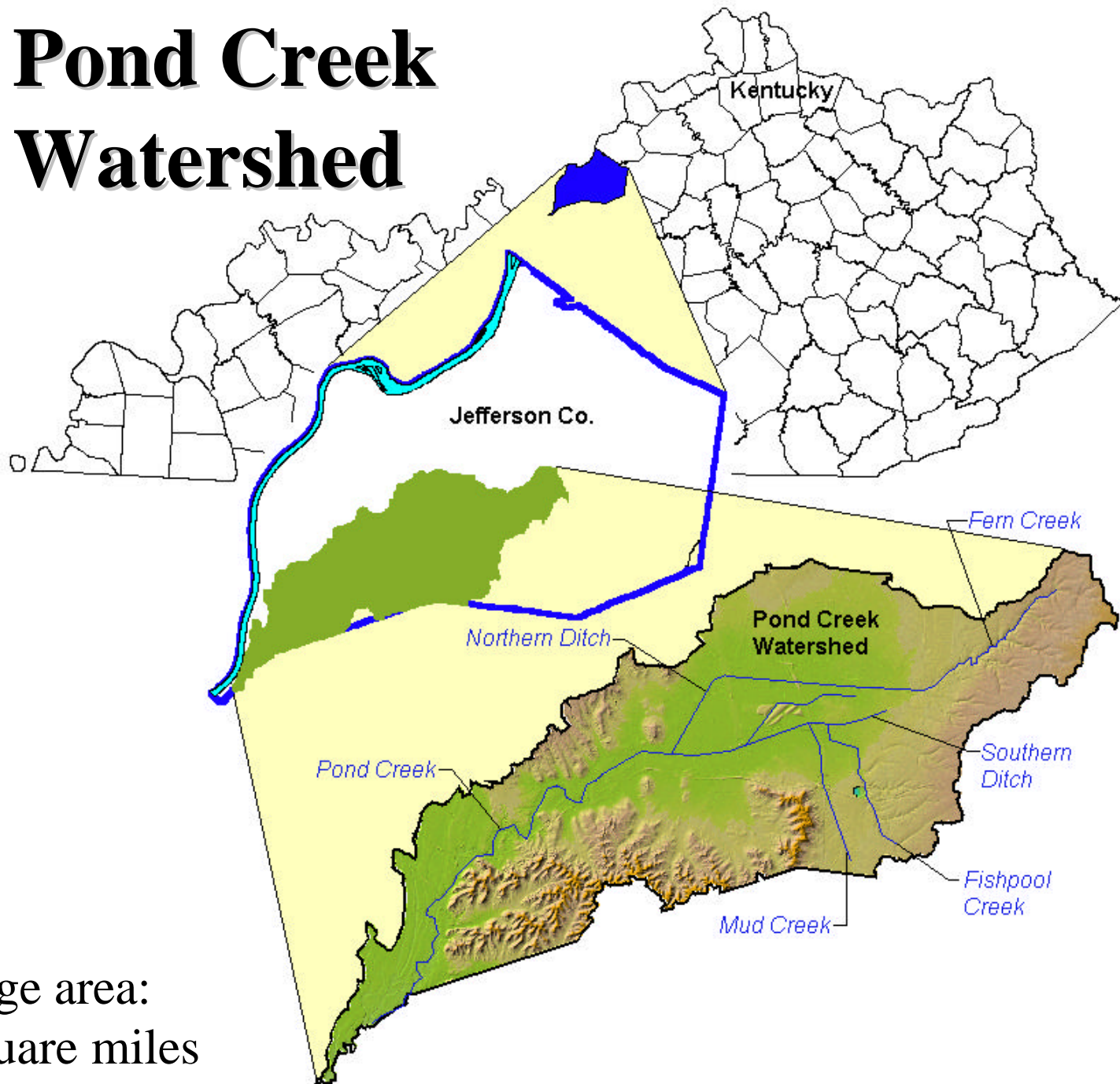
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Flooded neighborhood  
Southern Jefferson County



# Pond Creek Watershed



Drainage area:  
126 square miles



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# Metropolitan Louisville-Pond Creek Louisville, Kentucky







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# PROJECT PERFORMANCE

- Removes 1600 properties from 100 year flood plain
- Depth of flooding from 100 year event reduced approximately:
  - 1.9 feet on Pond Creek
  - 1.8 feet on Northern Ditch
  - 1.0 feet on Southern Ditch
- Benefit-Cost Ratio = 2.6 to 1



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# PROJECT COST

<b>TOTAL</b>	<b>\$17,357,000</b>
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Federal	\$12,115,000 (70%)
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Nonfederal	\$5,242,000 (30%)
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Cash	\$1,073,000
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Other	\$4,169,000
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October 1998 Price Levels, Fully Funded





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## *METROPOLITAN REGION OF CINCINNATI, DUCK CREEK, OHIO*

### *PROJECT COSTS*

- *FEDERAL COSTS* *\$32,123,000*
- *NON-FEDERAL COSTS* *\$4,200,000*  
*(NF shared capped in WRDA 2000)*
- *TOTAL COSTS* *\$36,323,000*





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# Metropolitan Louisville, KY

## Beargrass Creek





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# PROJECT COST

<b>TOTAL</b>	<b>\$12,023,000</b>
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Federal	\$7,815,000
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Nonfederal	\$4,208,000
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Cash	\$1,179,000
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Other	\$3,029,000
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# Indianapolis, White River, Indiana (North)





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# PROJECT COST

<b>TOTAL</b>	<b>\$15,783,000</b>
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Federal	\$11,837,000
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Nonfederal	\$3,946,000
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Cash	\$2,729,000
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Other	\$1,217,000
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# Ecosystem Restoration





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# Ohio River Ecosystem Restoration Project

- Authorized in WRDA of 2000
- Total project cost - \$307,000,000
- No funds programmed in FY02
- Cost sharing set at 65% Federal/35% non-Federal
- 265 projects identified in initial feasibility study.



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# Ohio River Greenway





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# Questions and Answers

- Public Affairs Office: 502-315-6767
- Internet: <http://www.lrl.usace.army.mil>
- Mail:

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